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国际互认
检测
TESTING
CNAS L19581



Test Report

No.: S240329048001-3

Date: Apr 10, 2024

Page 1 of 27

Customer: Guangdong Guard Group Co., Ltd

Customer Address: No. 1, industrial transfer park industrial Park, Lelang Road, Lechang City

Sample Name: SPD

Sample Quantity: 18

Trademark:



Manufacturer: Guangdong Guard Group Co., Ltd

Manufacturer Address: No. 1, industrial transfer park industrial Park, Lelang Road, Lechang City

Tested Model: G1V-80/385/B+C FM

Additional Model: Please refer to next page(s).

The above samples and information are provided by the customer

Sample Received Date: Mar 29, 2024

Test Period: Mar 29, 2024 to Apr 10, 2024

Test Requirements: Test according to customer requirement.

Test Method: Please refer to next page(s).

Test Result: Please refer to next page(s).

Result Summary:

Test Requested	Conclusion
1. Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content—GB/T 26572-2011 Requirement of concentration limits for certain restricted substances in electrical and electronic	PASS

WRITTEN BY

Zoey Zhang

Zoey Zhang

REVIEWED BY

Kira Fu

Kira Fu

Soar Testing Certification
(GuangDong) Co., Ltd.

APPROVED BY

Frank Wu

Approved Signatory

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Additional Model:

GBV-120/420/* FM; GBC-25/385/*; GBC-25/255/*; GBC-25/* FM; GBC-25/*;
GBV-100/760/* FM; GBV-100/385/* FM; GBV-100/385/* FM H; GBV-100/122/*
FM; GBV-80/760/* FM; GBV-80/760/* FM (B+C); GBV-80/385/* FM;
GBV-40/760/* FM; GBV-10/385/* FM; GBV-120/385/*; GBV-100/385/*;
GBV-80/385/*; GBV-80/* 160KA; GDV-20/385/* FM; GCV-60/385/* FM;
GCV-60/385/* FM H; GCV-40/440/* FM; GCV-40/500/* FM; CV-40/385/* FM;
GCV-40/275/* FM; GC40/460/*FM; GCV40-85DC/* FM; GCV-40/75DC/* FM;
GDV-40/275/* FM; GCV-40/350DC/*; GCV-40/350/*; GDV-30/385/* FM;
GDV-30/275/* FM; GDV-30/85DC/* FM; GDV-20/440DC/* FM; GDV-20/220DC/*
FM; GDV-20/385/* FM; GDV-20/85DC/* FM; GDD-20/85/* FM;
GDD-40/560/* FM; GDD-40/85/* FM; GDV40-85/*; GDV-30/85DC; GD30-275/*;
GDV-20/385/* ; GDV-20/275/*; GDD-20/85/*; GCV-60/385/*
GCV-40/385/*; GCV-40/600/*; GCV-40/255/*; GCV-40/85/*; 40-275/*P;
GCT-40/1200/* FM; GC40-385/*; GC60-385/*; GDV-20/385/* FM;
GC40-75/*; GCV40-385/*FM H; GCV40-385/*FM; GDV-30/48DC/* FM;
GDV-20/275/* FM; GDV-20/85/* FM; GDV-10/85/* FM; GCV-40/385/* H;
GCT-40-1000/* FM;G1V-DC30-T1/T2; SPD60-3P-GU FM; MOV680-40-GU FM;
G1V-40/385/ FM; G1V-60/385/B+C FM; G1V-40/85DC/FM

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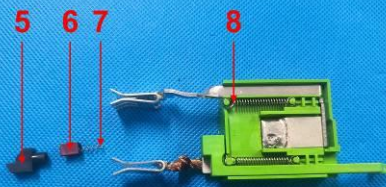
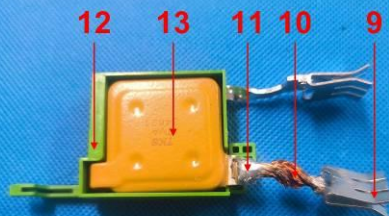
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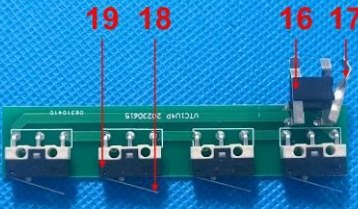
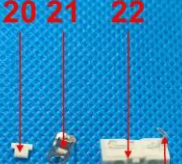
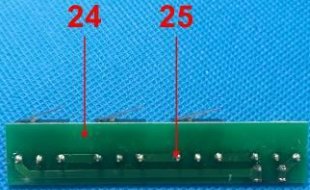
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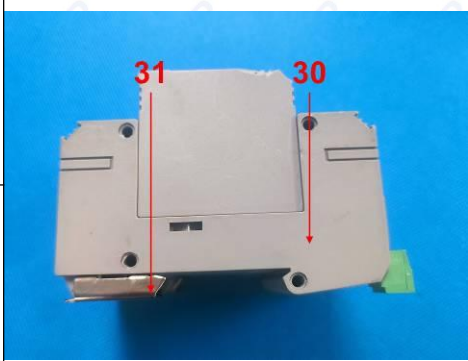
2. Test Item Description And Photo List

Sample No.	Description	Model	Photograph
001	White paper with green printing	G1V-80/385/B+CFM	
002	White paper with golden/black printing	G1V-80/385/B+CFM	
003	Golden metal	G1V-80/385/B+CFM	
004	Black plastic with white printing (shell)	G1V-80/385/B+CFM	
005	Black plastic	G1V-80/385/B+CFM	
006	Black plastic with red printing	G1V-80/385/B+CFM	
007	Silvery metal (spring)	G1V-80/385/B+CFM	
008	Silvery metal	G1V-80/385/B+CFM	
009	Silvery metal	G1V-80/385/B+CFM	
010	Coppery metal	G1V-80/385/B+CFM	
011	Silvery solder	G1V-80/385/B+CFM	
012	Green plastic	G1V-80/385/B+CFM	
013	Yellow glue	G1V-80/385/B+CFM	
014	Grey magnet	G1V-80/385/B+CFM	

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Sample No.	Description	Model	Photograph
015	Black plastic (shell)	G1V-80/385/B+CFM	
016	Black plastic	G1V-80/385/B+CFM	
017	Silvery metal	G1V-80/385/B+CFM	
018	Silvery metal	G1V-80/385/B+CFM	
019	Black plastic	G1V-80/385/B+CFM	
020	White plastic	G1V-80/385/B+CFM	
021	Coppery metal	G1V-80/385/B+CFM	
022	White plastic	G1V-80/385/B+CFM	
023	Silvery metal with golden plating	G1V-80/385/B+CFM	
024	Green PCB	G1V-80/385/B+CFM	
025	Silvery solder	G1V-80/385/B+CFM	

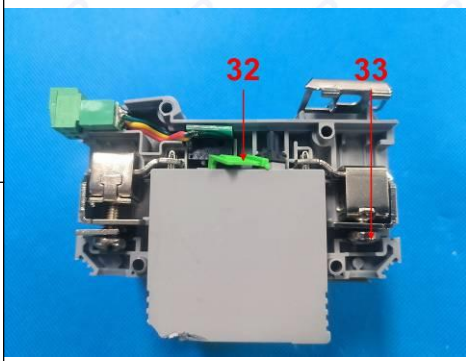
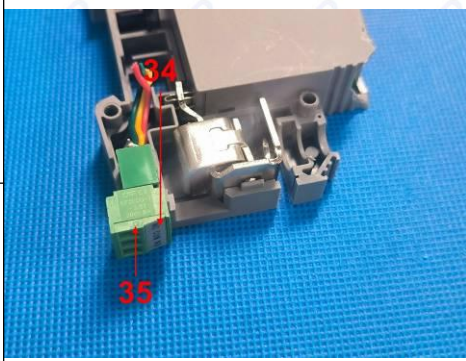
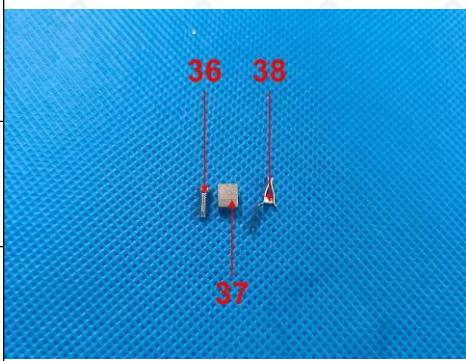
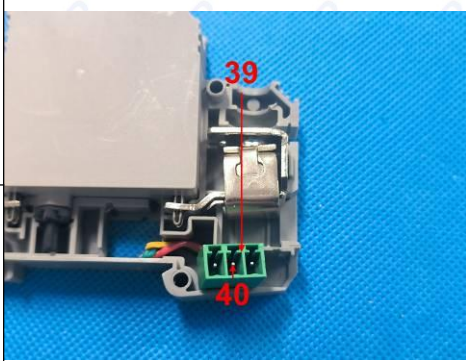
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Sample No.	Description	Model	Photograph
026	Black plastic with white printing (shell)	G1V-60/385/B+CFM	
027	Black plastic with white printing (shell)	G1V-40/385/FM	
028	Transparent plastic	SPD60-3P-GUFM	
029	Grey plastic	SPD60-3P-GUFM	
030	Grey plastic (shell)	SPD60-3P-GUFM	
031	Silvery metal	SPD60-3P-GUFM	

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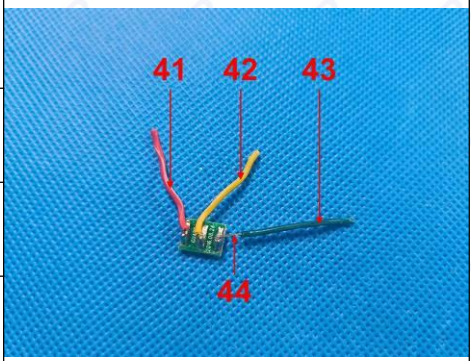
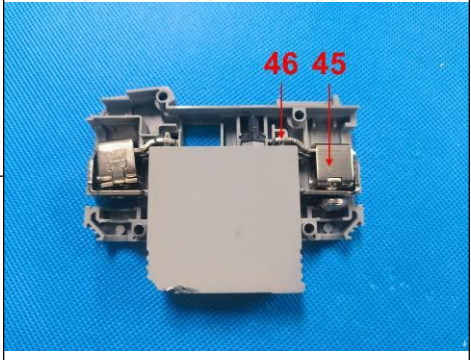
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Sample No.	Description	Model	Photograph
032	Green plastic	SPD60-3P-GUFM	
033	Silvery metal (screw)	SPD60-3P-GUFM	
034	Grey paper with black printing	SPD60-3P-GUFM	
035	Green plastic	SPD60-3P-GUFM	
036	Silvery metal (screw)	SPD60-3P-GUFM	
037	Silvery metal	SPD60-3P-GUFM	
038	Silvery metal	SPD60-3P-GUFM	
039	Green plastic	SPD60-3P-GUFM	
040	Silvery metal	SPD60-3P-GUFM	

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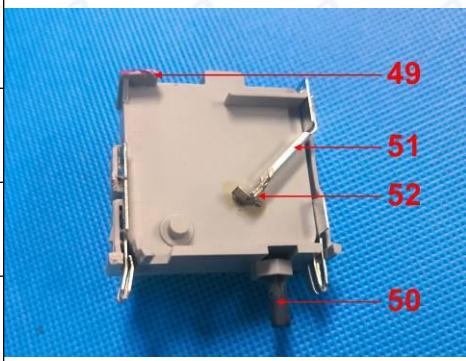
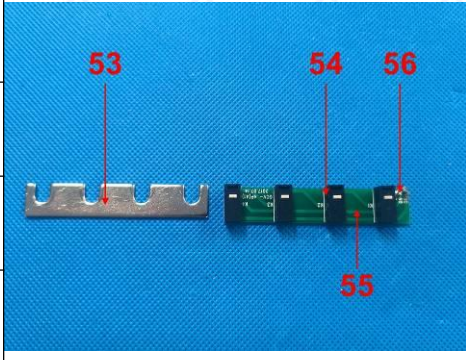
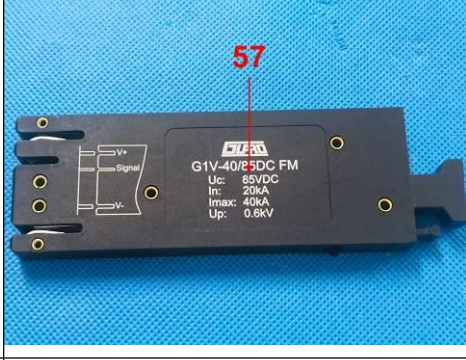
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Sample No.	Description	Model	Photograph
041	Red soft plastic (wire jacket)	SPD60-3P-GUFM	
042	Yellow soft plastic (wire jacket)	SPD60-3P-GUFM	
043	Green soft plastic (wire jacket)	SPD60-3P-GUFM	
044	Silvery metal (wire core)	SPD60-3P-GUFM	
045	Silvery metal	SPD60-3P-GUFM	
046	Silvery metal	SPD60-3P-GUFM	
047	Grey plastic with black printing (shell)	SPD60-3P-GUFM	
048	Blue glue	SPD60-3P-GUFM	

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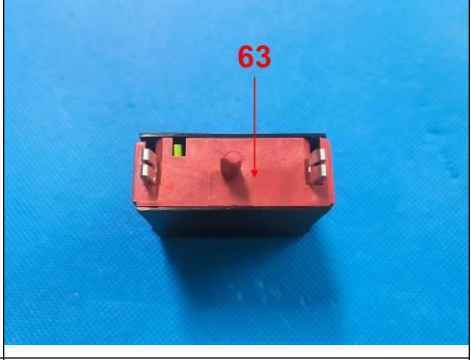
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Sample No.	Description	Model	Photograph
049	Grey plastic with red printing	SPD60-3P-GUFM	
050	Grey plastic	SPD60-3P-GUFM	
051	Silvery metal	SPD60-3P-GUFM	
052	Silvery solder	SPD60-3P-GUFM	
053	Silvery metal	SPD60-3P-GUFM	
054	Black plastic	SPD60-3P-GUFM	
055	Green PCB	SPD60-3P-GUFM	
056	Silvery solder	SPD60-3P-GUFM	
057	Black plastic with white printing (shell)	G1V-40/85DC/FM	
058	Black plastic	M0V680-40-GUFM	
059	Silvery plastic with black printing	M0V680-40-GUFM	

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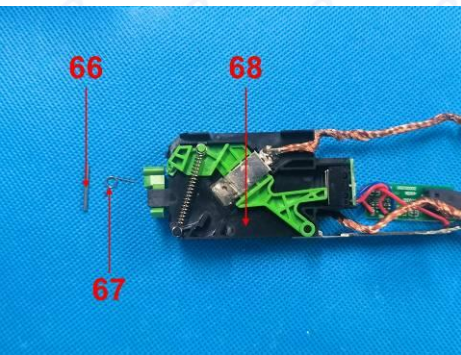
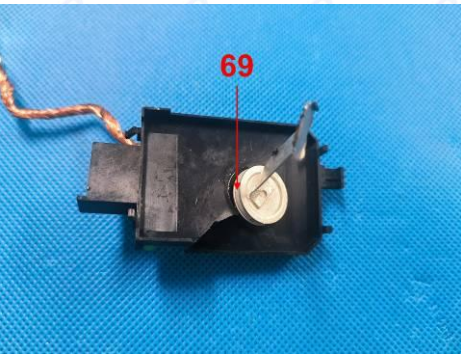
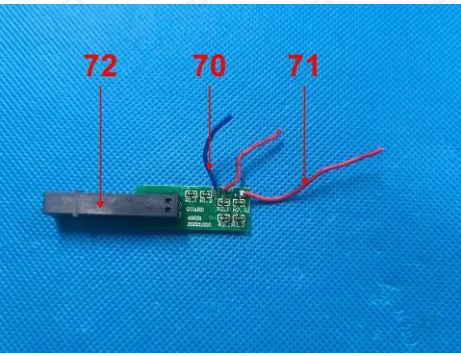
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Sample No.	Description	Model	Photograph
060	Silvery plastic with black printing	M0V680-40-GUFM	
061	Black plastic	M0V680-40-GUFM	
062	Black plastic	M0V680-40-GUFM	
063	Red plastic	M0V680-40-GUFM	
064	Green glue	M0V680-40-GUFM	

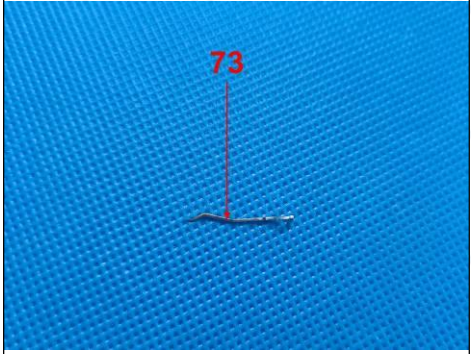
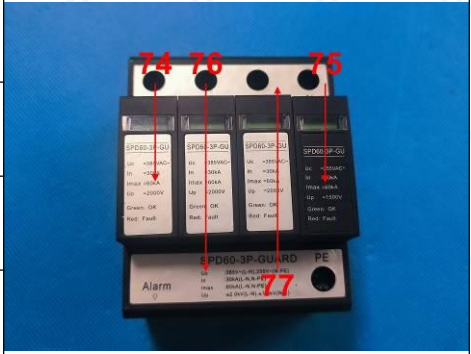
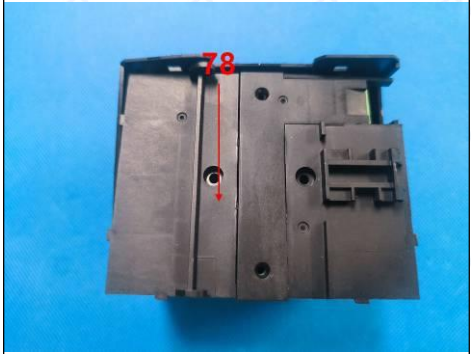
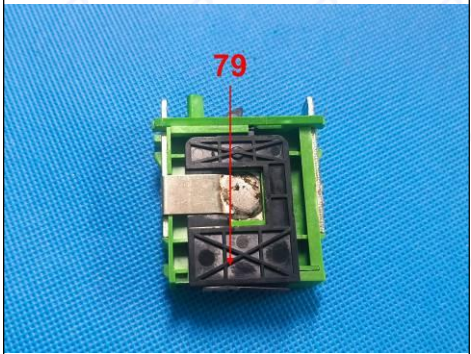
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Sample No.	Description	Model	Photograph
065	Black plastic with white printing (shell)	G1V-DC30-T1/T2	
066	Silvery metal	G1V-DC30-T1/T2	
067	Silvery metal	G1V-DC30-T1/T2	
068	Black plastic	G1V-DC30-T1/T2	
069	White ceramic	G1V-DC30-T1/T2	
070	Blue soft plastic (wire jacket)	G1V-DC30-T1/T2	
071	Red soft plastic (wire jacket)	G1V-DC30-T1/T2	
072	Grey plastic	G1V-DC30-T1/T2	

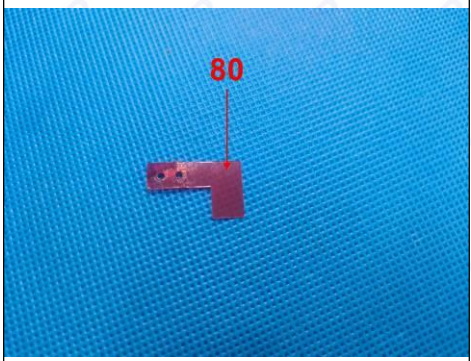
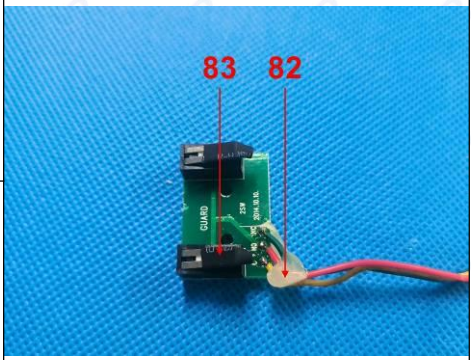
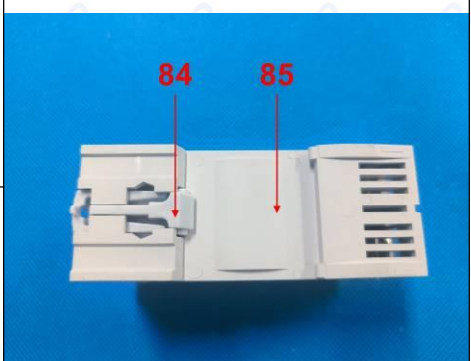
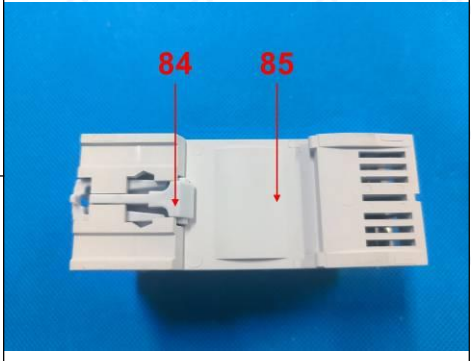
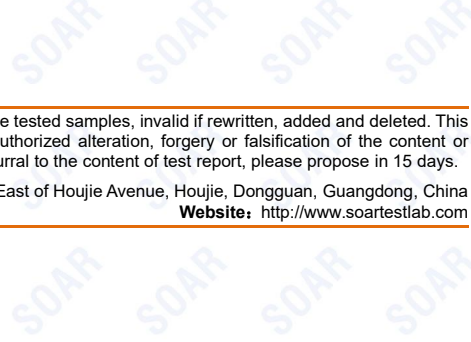
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Sample No.	Description	Model	Photograph
073	Silvery metal with golden plating	G1V-DC30-T1/T2	
074	Silvery plastic with black printing	SPD60-3P-GU	
075	Black plastic with white printing	SPD60-3P-GU	
076	Silvery plastic with black printing	SPD60-3P-GU	
077	Silvery plastic with black printing	SPD60-3P-GU	
078	Black plastic (shell)	SPD60-3P-GU	
079	Black plastic	SPD60-3P-GU	

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Sample No.	Description	Model	Photograph
080	Red plastic	SPD60-3P-GU	
081	White plastic with black printing (shell)	GBV-120/420	
082	Translucent glue	GBV-120/420	
083	Black soft plastic (tube)	GBV-120/420	
084	White plastic	GBV-120/420	
085	White plastic	GBV-120/420	

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Sample No.	Description	Model	Photograph
086	White paper with black printing	GBV-120/420	

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3. Test Results

3.1 Screening test for the specified hazardous substances of RoHs for the selected materials of the submitted sample:

- Heavy Metal (Cadmium, Chromium, Mercury, Lead) Content Test
- Bromine Content Test

According to GB/T 39560.301-2020, and Quantification analyzed with Energy Dispersive X-ray Fluorescence Spectrometers.

Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 001	BL	BL	BL	BL	BL
Sample 002	BL	BL	BL	BL	BL
Sample 003	BL	BL	BL	BL	N.A.
Sample 004	BL	BL	BL	BL	BL
Sample 005	BL	BL	BL	BL	BL
Sample 006	BL	BL	BL	BL	BL
Sample 007	BL	BL	BL	Inconclusive^	N.A.
Sample 008	BL	BL	BL	Inconclusive^	N.A.
Sample 009	BL	BL	BL	BL	N.A.
Sample 010	BL	BL	BL	BL	N.A.
Sample 011	BL	BL	BL	BL	N.A.
Sample 012	BL	BL	BL	BL	BL
Sample 013	BL	BL	BL	BL	BL
Sample 014	BL	OL^	BL	BL	BL
Sample 015	BL	BL	BL	BL	Inconclusive^
Sample 016	BL	BL	BL	BL	BL
Sample 017	BL	BL	BL	BL	N.A.
Sample 018	BL	Inconclusive^	BL	Inconclusive^	N.A.
Sample 019	BL	BL	BL	BL	Inconclusive^
Sample 020	BL	BL	BL	BL	Inconclusive^
Sample 021	BL	BL	BL	BL	N.A.
Sample 022	BL	BL	BL	BL	Inconclusive^
Sample 023	BL	BL	BL	BL	N.A.
Sample 024	BL	BL	BL	BL	Inconclusive^
Sample 025	BL	BL	BL	BL	N.A.
Sample 026	BL	BL	BL	BL	BL

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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 027	BL	BL	BL	BL	BL
Sample 028	BL	BL	BL	BL	BL
Sample 029	BL	BL	BL	BL	Inconclusive [^]
Sample 030	BL	BL	BL	BL	Inconclusive [^]
Sample 031	BL	BL	BL	BL	N.A.
Sample 032	BL	BL	BL	BL	Inconclusive [^]
Sample 033	BL	BL	BL	BL	N.A.
Sample 034	BL	BL	BL	BL	BL
Sample 035	BL	BL	BL	BL	BL
Sample 036	BL	BL	BL	BL	N.A.
Sample 037	BL	Inconclusive [^]	BL	BL	N.A.
Sample 038	BL	BL	BL	BL	N.A.
Sample 039	BL	BL	BL	BL	BL
Sample 040	BL	BL	BL	BL	N.A.
Sample 041	BL	BL	BL	BL	BL
Sample 042	BL	BL	BL	BL	BL
Sample 043	BL	BL	BL	BL	BL
Sample 044	BL	BL	BL	BL	N.A.
Sample 045	BL	BL	BL	BL	N.A.
Sample 046	BL	BL	BL	BL	N.A.
Sample 047	BL	BL	BL	BL	Inconclusive [^]
Sample 048	BL	BL	BL	BL	Inconclusive [^]
Sample 049	BL	BL	BL	BL	Inconclusive [^]
Sample 050	BL	BL	BL	BL	BL
Sample 051	BL	BL	BL	BL	N.A.
Sample 052	BL	OL [^]	BL	BL	N.A.
Sample 053	BL	BL	BL	BL	N.A.
Sample 054	BL	BL	BL	BL	Inconclusive [^]
Sample 055	BL	BL	BL	BL	Inconclusive [^]
Sample 056	BL	BL	BL	BL	N.A.
Sample 057	BL	BL	BL	BL	BL
Sample 058	BL	BL	BL	BL	BL
Sample 059	BL	BL	BL	BL	BL
Sample 060	BL	BL	BL	BL	BL
Sample 061	BL	BL	BL	BL	BL

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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 062	BL	BL	BL	BL	BL
Sample 063	BL	BL	BL	BL	BL
Sample 064	BL	BL	BL	BL	BL
Sample 065	BL	BL	BL	BL	BL
Sample 066	BL	BL	BL	Inconclusive^	N.A.
Sample 067	BL	BL	BL	Inconclusive^	N.A.
Sample 068	BL	BL	BL	BL	BL
Sample 069	BL	BL	BL	BL	BL
Sample 070	BL	BL	BL	BL	BL
Sample 071	BL	BL	BL	BL	BL
Sample 072	BL	BL	BL	BL	BL
Sample 073	BL	BL	BL	Inconclusive^	N.A.
Sample 074	BL	BL	BL	BL	BL
Sample 075	BL	BL	BL	BL	BL
Sample 076	BL	BL	BL	BL	BL
Sample 077	BL	BL	BL	BL	BL
Sample 078	BL	BL	BL	BL	BL
Sample 079	BL	BL	BL	BL	BL
Sample 080	BL	BL	BL	BL	BL
Sample 081	BL	BL	BL	BL	Inconclusive^
Sample 082	BL	BL	BL	BL	BL
Sample 083	BL	BL	BL	BL	Inconclusive^
Sample 084	BL	BL	BL	BL	BL
Sample 085	BL	BL	BL	BL	Inconclusive^
Sample 086	BL	BL	BL	BL	BL

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Note:

1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm
2. "OL" denotes "over limit"
3. "BL" denotes "below limit"
4. "N.A." denotes "Not Applicable"
5. "Inconclusive" denotes result is intermediate between "OL" and "BL"
6. "A" denotes the screening result was inconclusive(X) or over limit (OL), thus further confirmation test was conducted, results are listed in 3.2 and 3.3.

XRF screening limits for different materials:

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
Metal	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	N.A.
Polymers	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (300-3\sigma) < X$
Composite material	$BL \leq (50-3\sigma) < X < (150+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (250-3\sigma) < X$

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3.2 Test for Heavy Metals

– Lead, Cadmium, Hexavalent Chromium and Mercury Tests according to GB/T 39560.5-2021&GB/T 39560.4-2021&GB/T 39560.701-2020&GB/T 39560.702-2021, Analysis was conducted by ICP-OES, UV-VIS.

Element	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Mercury [mg/kg]	Hexavalent Chromium [$\mu\text{g}/\text{cm}^2$]	Hexavalent Chromium [mg/kg]
Detection Limit	5	5	5	0.10	5
Limit	100	1000	1000	*	1000
Sample 007	/	/	/	N.D.	/
Sample 008	/	/	/	N.D.	/
Sample 014	/	20	/	/	/
Sample 018	/	47	/	N.D.	/
Sample 037	/	26991 Φ	/	/	/
Sample 052	/	12	/	/	/
Sample 066	/	/	/	N.D.	/
Sample 067	/	/	/	N.D.	/
Sample 073	/	/	/	N.D.	/

Note:

1. All Concentrations express in "mg/kg"(milligram per kilogram), mg/kg ~ ppm.
2. "N.D." = "Not Detected".
3. * = a. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm² sample surface area is higher than 0.13 $\mu\text{g}/\text{cm}^2$, the sample is positive, that is, contains hexavalent chromium;
b. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm² sample surface area is N.D.(less than 0.10 $\mu\text{g}/\text{cm}^2$), the sample is negative, that is, no hexavalent chromium is detected;
c. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm² sample surface area is between 0.10 $\mu\text{g}/\text{cm}^2$ and 0.13 $\mu\text{g}/\text{cm}^2$, it is not possible to directly determine whether hexavalent chromium is detected.

Surface differences of samples from different individuals may affect the determination results:

Since the storage condition and production date of the sample are not known, the test result of the sample can only represent the state of the sample containing hexavalent chromium at the time of the test.

Positive means that hexavalent chromium does not meet the limit requirements of GB/T26572-2011 "Limit requirements for restricted substances in electronic and electrical products"

Negative means that hexavalent chromium meets the limit requirements of GB/T26572-2011 "Limit requirements for restricted substances in electronic and electrical products"

4. " Φ "=the sample 037 is copper alloy. The lead content which is under 4% is exempted from Requirements for the List of Exceptions for the Application of Restricted Substances in the Standard Management Catalog for Restricted Use of Hazardous Substances

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**3.3 Test for Flame retardants**

– Test method: According to GB/T 39560.6-2020, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

Test Item		Result [mg/kg]	RoHS Requirement [mg/kg]
		Sample 015	
PBBs	Monobromobiphenyl	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	
	Tribromobiphenyl	< 5	
	Tetrabromobiphenyl	< 5	
	Pentabromobiphenyl	< 5	
	Hexabromobiphenyl	< 5	
	Heptabromobiphenyl	< 5	
	Octabromobiphenyl	< 5	
	Nonabromobiphenyl	< 5	
	Decabromobiphenyl	< 5	
	Sum of PBBs	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	
	Tribromodiphenyl Ether	< 5	
	Tetrabromodiphenyl Ether	< 5	
	Pentabromodiphenyl Ether	< 5	
	Hexabromodiphenyl Ether	< 5	
	Heptabromodiphenyl Ether	< 5	
	Octabromodiphenyl Ether	< 5	
	Nonabromodiphenyl Ether	< 5	
	Decabromodiphenyl Ether	< 5	
	Sum of PBDEs	< 5	

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Test Item		Result [mg/kg]			RoHS Requirement [mg/kg]
		Sample 019	Sample 020	Sample 022	
PBBs	Monobromobiphenyl	< 5	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	< 5	
	Pentabromobiphenyl	< 5	< 5	< 5	
	Hexabromobiphenyl	< 5	< 5	< 5	
	Heptabromobiphenyl	< 5	< 5	< 5	
	Octabromobiphenyl	< 5	< 5	< 5	
	Nonabromobiphenyl	< 5	< 5	< 5	
	Decabromobiphenyl	< 5	< 5	< 5	
	Sum of PBBs	< 5	< 5	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	< 5	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	< 5	< 5	
	Tribromodiphenyl Ether	< 5	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	< 5	< 5	
	Hexabromodiphenyl Ether	< 5	< 5	< 5	
	Heptabromodiphenyl Ether	< 5	< 5	< 5	
	Octabromodiphenyl Ether	< 5	< 5	< 5	
	Nonabromodiphenyl Ether	< 5	< 5	< 5	
	Decabromodiphenyl Ether	< 5	< 5	< 5	
	Sum of PBDEs	< 5	< 5	< 5	

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Test Item		Result [mg/kg]			RoHS Requirement [mg/kg]
		Sample 024	Sample 029	Sample 030	
PBBs	Monobromobiphenyl	< 5	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	< 5	
	Pentabromobiphenyl	< 5	< 5	< 5	
	Hexabromobiphenyl	< 5	< 5	< 5	
	Heptabromobiphenyl	< 5	< 5	< 5	
	Octabromobiphenyl	< 5	< 5	< 5	
	Nonabromobiphenyl	< 5	< 5	< 5	
	Decabromobiphenyl	< 5	< 5	< 5	
	Sum of PBBs	< 5	< 5	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	< 5	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	< 5	< 5	
	Tribromodiphenyl Ether	< 5	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	< 5	< 5	
	Hexabromodiphenyl Ether	< 5	< 5	< 5	
	Heptabromodiphenyl Ether	< 5	< 5	< 5	
	Octabromodiphenyl Ether	< 5	< 5	< 5	
	Nonabromodiphenyl Ether	< 5	< 5	< 5	
	Decabromodiphenyl Ether	< 5	< 5	< 5	
	Sum of PBDEs	< 5	< 5	< 5	

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Test Item		Result [mg/kg]			RoHS Requirement [mg/kg]
		Sample 032	Sample 047	Sample 048	
PBBs	Monobromobiphenyl	< 5	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	< 5	
	Pentabromobiphenyl	< 5	< 5	< 5	
	Hexabromobiphenyl	< 5	< 5	< 5	
	Heptabromobiphenyl	< 5	< 5	< 5	
	Octabromobiphenyl	< 5	< 5	< 5	
	Nonabromobiphenyl	< 5	< 5	< 5	
	Decabromobiphenyl	< 5	< 5	< 5	
	Sum of PBBs	< 5	< 5	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	< 5	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	< 5	< 5	
	Tribromodiphenyl Ether	< 5	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	< 5	< 5	
	Hexabromodiphenyl Ether	< 5	< 5	< 5	
	Heptabromodiphenyl Ether	< 5	< 5	< 5	
	Octabromodiphenyl Ether	< 5	< 5	< 5	
	Nonabromodiphenyl Ether	< 5	< 5	< 5	
	Decabromodiphenyl Ether	< 5	< 5	< 5	
	Sum of PBDEs	< 5	< 5	< 5	

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Test Item		Result [mg/kg]			RoHS Requirement [mg/kg]
		Sample 049	Sample 054	Sample 055	
PBBs	Monobromobiphenyl	< 5	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	< 5	
	Pentabromobiphenyl	< 5	< 5	< 5	
	Hexabromobiphenyl	< 5	< 5	< 5	
	Heptabromobiphenyl	< 5	< 5	< 5	
	Octabromobiphenyl	< 5	< 5	< 5	
	Nonabromobiphenyl	< 5	< 5	< 5	
	Decabromobiphenyl	< 5	< 5	< 5	
	Sum of PBBs	< 5	< 5	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	< 5	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	< 5	< 5	
	Tribromodiphenyl Ether	< 5	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	< 5	< 5	
	Hexabromodiphenyl Ether	< 5	< 5	< 5	
	Heptabromodiphenyl Ether	< 5	< 5	< 5	
	Octabromodiphenyl Ether	< 5	< 5	< 5	
	Nonabromodiphenyl Ether	< 5	< 5	< 5	
	Decabromodiphenyl Ether	< 5	< 5	< 5	
	Sum of PBDEs	< 5	< 5	< 5	

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Test Item		Result [mg/kg]			RoHS Requirement [mg/kg]
		Sample 081	Sample 083	Sample 085	
PBBs	Monobromobiphenyl	< 5	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	< 5	
	Pentabromobiphenyl	< 5	< 5	< 5	
	Hexabromobiphenyl	< 5	< 5	< 5	
	Heptabromobiphenyl	< 5	< 5	< 5	
	Octabromobiphenyl	< 5	< 5	< 5	
	Nonabromobiphenyl	< 5	< 5	< 5	
	Decabromobiphenyl	< 5	< 5	< 5	
	Sum of PBBs	< 5	< 5	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	< 5	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	< 5	< 5	
	Tribromodiphenyl Ether	< 5	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	< 5	< 5	
	Hexabromodiphenyl Ether	< 5	< 5	< 5	
	Heptabromodiphenyl Ether	< 5	< 5	< 5	
	Octabromodiphenyl Ether	< 5	< 5	< 5	
	Nonabromodiphenyl Ether	< 5	< 5	< 5	
	Decabromodiphenyl Ether	< 5	< 5	< 5	
	Sum of PBDEs	< 5	< 5	< 5	

Note:

1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm.
2. "<" denotes less than

Remark: As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample. The test report is only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

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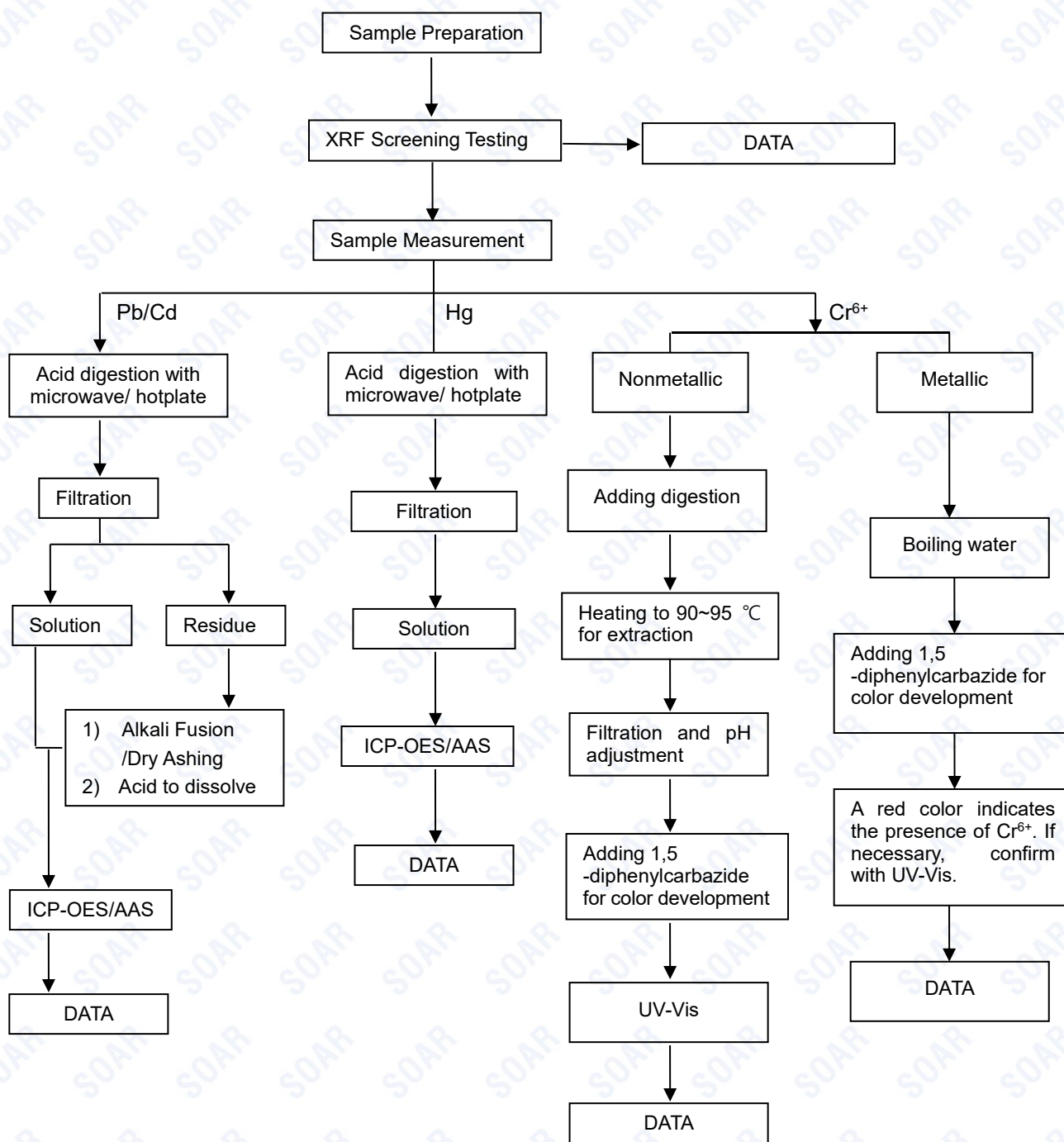
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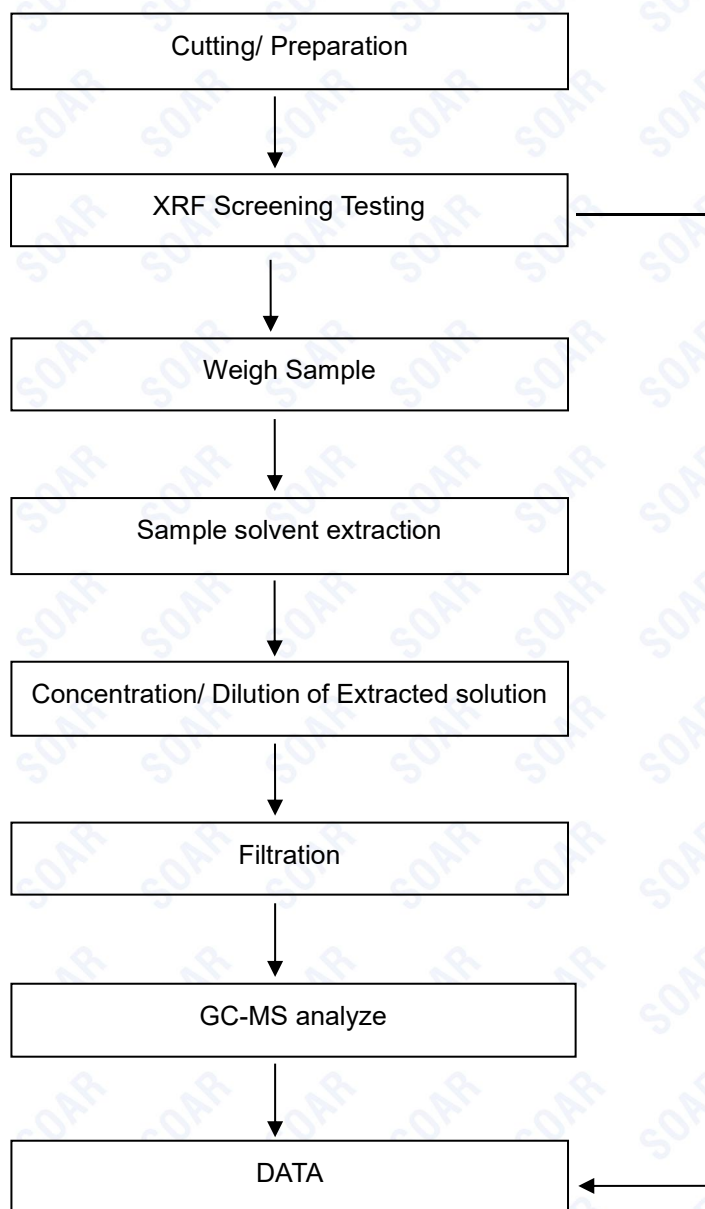
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Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)



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PBBs/PBDEs Testing Flow Chart

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Photo of the Sample:



The photo is for use with SOAR original report only.

*** End of Report ***

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